

eQuipt

LIFTING

**Designed to
DELIVER**



PRODUCT CODE: E02-0040

BOTTLE JACK

OWNER'S MANUAL

Safe Working Capacity	Minimum Height	Maximum Height	Hydraulic Stroke	Adjustable Screw	Operating Air Pressure	Air Inlet Fitting
20,000KG	262mm	504mm	163mm	79mm	110-125psi	1/4" x 18NPT



TQB Brands Pty Ltd

www.tqbbrands.com.au

WARNING

IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE



WARNING



The instructions and warnings contained in this manual should be read and understood before using or operating this equipment. Do not allow anyone to use or operate this equipment until they have read this manual and have developed a thorough understanding of how this equipment works. Failure to observe any of the instructions contained in the manual could result in severe personal injury to the user or bystanders, or cause damage to the equipment and property. Keep this manual in a convenient and safe place for future reference.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the TQB Brands Pty Ltd policy of continuous improvement determines the right to make modifications without prior warning.



**Compressed Air
Components**



**Maintenance
Required**



Hydraulic Fluids

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SAFETY OPERATING INSTRUCTIONS



Safety glasses must be worn when operating this equipment.



Long loose hair must be contained when operating this equipment.



Safety footwear must be worn when operating this equipment.



Close fitting/protective clothing must be worn when operating this equipment.

PRE-OPERATIONAL SAFETY CHECKS

- Confirm the vehicle gross mass does not exceed the jack's Safe Working Load (SWL) marked on the product label.
- Consult the vehicle manufacturer's handbook for correct jacking points and weight distribution.
- Position the jack only on a hard, flat, level surface capable of supporting the full vehicle mass.
- Fully apply the vehicle park brake and securely chock all wheels remaining on the ground.
- Inspect the jack thoroughly before every use:
- No hydraulic leaks, cracks, bent ram, or damaged components.
- Saddle is firmly attached and free of excessive wear.
- Release valve operates smoothly in both directions.
- All warning labels and SWL markings are present and legible. → DO NOT USE if damaged – tag out and remove from service immediately.
- Centre the load directly on the saddle. Never permit off-centre loading.
- Never move or tow the vehicle while supported only by the jack.
- This jack is a lifting device only. Immediately transfer the load to Australian-standard jack stands (AS/NZS 2693) after raising.
- Never modify the jack or use it for purposes other than those specified in this manual.

**FAILURE TO FOLLOW THESE INSTRUCTIONS
CAN RESULT IN DEATH OR SERIOUS INJURY.**



WARNING



ENSURE WHEELS ARE CHOCKED BEFORE LIFTING. ENSURE JACK IS USED ON A HARD LEVEL SURFACE THAT CAN HOLD THE WEIGHT. ENSURE THE LOAD IS CENTRALLY LOCATED ON THE HEAD CAP. CONSULT THE VEHICLE MANUFACTURER OWNERS MANUAL PRIOR TO LIFTING THE VEHICLE TO ENSURE THE CORRECT LIFT POINT SPECIFIED BY THE VEHICLE MANUFACTURER IS USED. THIS IS A LIFTING AND LOWERING DEVICE ONLY AND IS DESIGNED FOR LIFTING PART OF THE TOTAL VEHICLE. DO NOT MOVE OR DOLLY THE VEHICLE WHILST THE VEHICLE IS ON THE JACK.



SAFETY OPERATING INSTRUCTIONS cont.

POTENTIAL HAZARDS

FAILURE TO RECOGNISE AND AVOID THESE HAZARDS CAN RESULT IN DEATH OR SERIOUS INJURY.

- Failure to read, understand and follow all instructions and warnings in this manual before operating the jack.
- Operating the jack in a poorly lit, cluttered or untidy work area.
- Failure to immediately support the raised vehicle with Australian Standard jack stands (AS/NZS 2693) before working on or under the vehicle.
- Failure to inspect, maintain or service the jack in accordance with the manufacturer's recommendations.
- Unauthorised modifications or repairs to the jack, including welding, grinding or altering any component.
- Using the jack for any purpose other than lifting and lowering vehicles as described in this manual.
- Lifting a load that exceeds the marked Safe Working Load (SWL).
- Placing the jack on a soft, uneven or unstable surface.
- Off-centre loading or using damaged, bent or non-standard saddle adaptors.
- Allowing unauthorised or untrained persons (including children) to operate the jack.

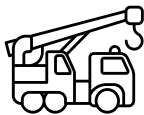
INTENDED USE

- | | |
|--------------------|-----------------------|
| • Heavy duty truck | • Mobile home |
| • Agriculture | • Oil field |
| • Construction | • Automotive |
| • Mining | • Marine applications |



Overview & Features

The eQuipt Air Actuated Hydraulic Bottle Jack is designed to operate either manually or pneumatically for lifting and lowering, but not sustaining load. This 20,000kg Heavy-Duty Air/Hydraulic Bottle Jack is the perfect choice for a wide variety of uses. The power of air makes it easy to lift farm vehicles, trucks, lawn mowers, heavy equipment and other large loads. The manual function allows for normal operation anywhere, even without an air supply.



PREPERATION, OPERATION, PREVENTATIVE MAINTENANCE

Additional Precautions

Conduct a thorough visual inspection checking for any abnormal conditions, such as cracked welds, and damaged, loose, or missing parts. Bleed any trapped air from the hydraulic system by performing the air bleeding procedure below.

Bleed air from hydraulic system:

During transit the unit may become "air-bound", causing a spongy ram action.

1. Remove the oil filler bung and if required, refill with 32 grade hydraulic oil until the oil is lapping the bottom of the oil filler hole then replace the oil filler bung.

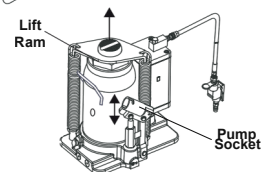
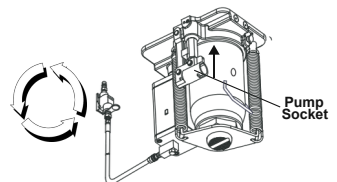
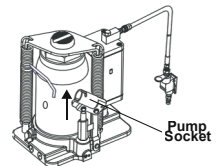
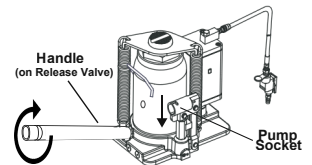
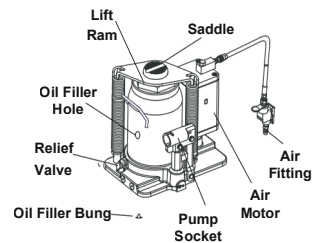
2. Start with the pump socket assembly in the horizontal position and turn the release valve 'clockwise' to the lifting position.

3. With the jack on its base, pull the pump socket upwards to the raised position.

4. Invert the jack and push the pump socket back to the horizontal position.

5. Place the jack back on its base to test the pump socket for firmness.

6. Repeat steps 4 to 6 until the pump socket feels firm and the lift ram is extending consistently.



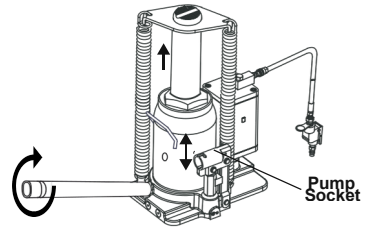
PREPERATION, OPERATION, PREVENTATIVE MAINTENANCE

Bleed air from hydraulic system cont:

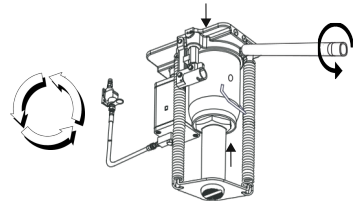
7. At this point the pump assembly should be bled of air.

8. Follow steps 8 to 9 to bleed the lift ram.

9. Ensure the jack is back on its base and make sure the release valve is in the 'clockwise' raise mode, then pump the pump socket until the lift ram is fully extended.



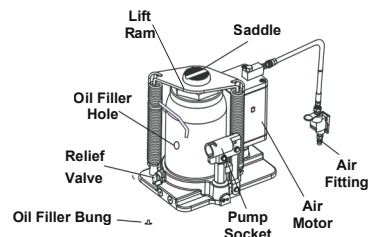
10. Invert the jack and then turn the release valve 'anti-clockwise' to the lowering position. Carefully hold the jack in the inverted position until the lift ram is fully retracted. If necessary apply force to the bottom of the jack to return the lift ram back to fully retracted position.



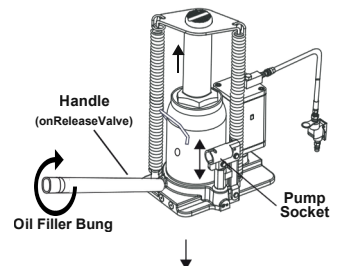
At this point both the manual pump and lift ram should now be free of air and the jack ready for air motor bleeding (see below).

Bleed air from air motor:

1. Remove the Oil Filler Bung and if required, refill with *32 Grade hydraulic oil until the oil is lapping the bottom of the Oil Filler Hole.

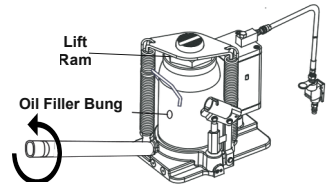


2. Leave the Oil Filler Bung out, turn the Release Valve 'clockwise' to the lift position and pump the Pump Socket 'up and down' to raise the Lift Ram to full extension.

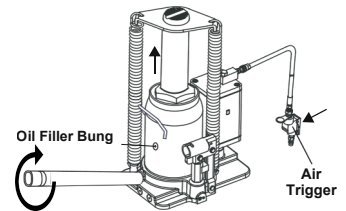


PREPERATION, OPERATION, PREVENTATIVE MAINTENANCE cont.**Bleed air from air motor cont:**

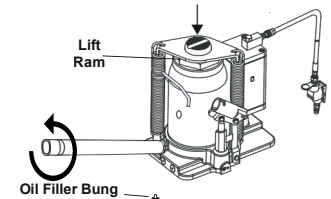
3. Replace the Oil Filler Bung, then turn the Release Valve 'anticlockwise' to the lowering position until the Lift Ram returns to the fully lowered position. **(Note: Depress the Saddle where necessary)**



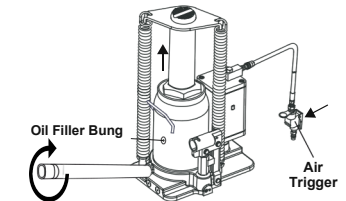
4. Turn the Release Valve 'clockwise' to the raise position. Connect an air supply to the Air Trigger assembly and depress the trigger, holding down until the Lift Ram is fully extended.



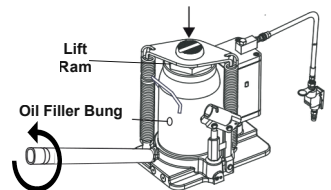
5. Remove the Oil Filler Bung, then turn the Release Valve 'anticlockwise' to the lowering position until the Lift Ram returns to the fully lowered position. (Note: Depress the Saddle where necessary)



6. Replace the Filler Bung and turn the Release Valve 'clockwise' to the raise position. Connect an air supply to the Air Trigger assembly and depress the trigger, holding down until the Lift Ram has extended to full stroke and continue to hold the trigger down for 10 seconds.



7. Turn the Release Valve 'anticlockwise' to the lowering position until the Lift Ram returns to the fully lowered position. (Note: Depress the Saddle where necessary)



At this point the manual pump, air motor pump and lift ram should be free of air and the jack ready for operation. If the jack continues to show the symptoms as above, please refer to a qualified hydraulic technician.

PREPERATION, OPERATION, PREVENTATIVE MAINTENANCE cont.**Operation**

Prior to each use always conduct a visual inspection checking for and any abnormal conditions, such as cracked welds, and damaged, loose, or missing parts.

Raising the Jack:

1. Block the vehicle's wheels for lifting stability. Secure the load to prevent inadvertent shifting and movement.
2. Position the jack near desired lift point.
3. Set the parking brake in the vehicle.
4. Refer to the vehicle manufacturer owner's manual to locate approved lifting points on the vehicle. Position the jack so the saddle is centred and will contact the load lifting point firmly.
5. Assemble the handle; ensure that spring clips align with slots.
6. Close the release valve by turning it clockwise until it is firmly closed.
7. Insert and secure the handle into handle sleeve. Pump handle or squeeze the lift control valve until the saddle contacts load. To end air operation simply release the grip on the lift control valve.
8. Raise load to the desired height, then immediately transfer the load to appropriately rated jack stands.

**WARNING**

Never wire, clamp or otherwise disable the lift control valve to function by any means other than by using the operator's hand. Use the handle provided with this product or an authorised replacement handle to ensure proper release valve operation. Do not use extensions on the air hose or on the operating handle.

To Lower Vehicle:

1. Raise load high enough to allow clearance for the jack stands to be removed, then carefully remove jack stands.
2. Insert handle release valve and slowly turn handle counter clockwise, no more than 1/2 a turn.
3. Grasp the handle firmly with both hands. Securely hold on to the jack handle so your hands do not slip and ensure the load does not rapidly lower.
4. (Do not allow bystanders around the jack or under the load when lowering the jack).

PREPERATION, OPERATION, PREVENTATIVE MAINTENANCE cont.**Maintenance**

If you use and maintain your equipment properly, it will give you many years of service. Follow the maintenance instructions carefully to keep your equipment in good working condition. Never perform any maintenance on the equipment while it is under load.

Inspection

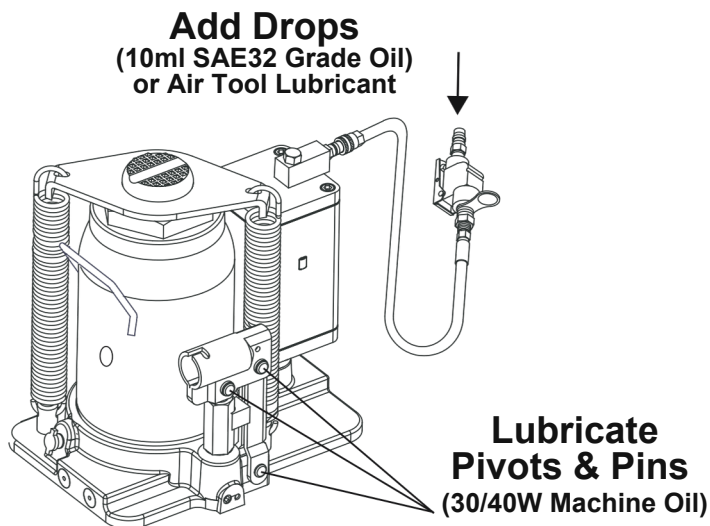
Inspect the product for damage, wear, broken or missing parts (e.g., pins), and ensure all components function before each use. Follow lubrication and storage instructions for optimum product performance. Ensure all moving parts are clear of dirt and debris.

Cleaning

If the moving parts of the equipment are obstructed, use cleaning solvent or another good degreaser to clean the equipment. Remove any existing rust with a penetrating lubricant.

Lubrication

This equipment will not operate safely without proper lubrication. Using the equipment without proper lubrication will result in poor performance and damage to the equipment. Apply a coating of light lubricating oil to pivot points, axles, and hinges to help prevent rust. Periodically check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oily cloth.

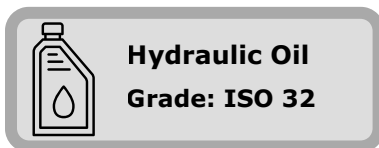


NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES.

PREPERATION, OPERATION, PREVENTATIVE MAINTENANCE cont.**Adding hydraulic oil**

NEVER USE BRAKE FLUID, TURBINE OIL, TRANSMISSION FLUID, MOTOR OIL, OR GLYCERIN. IMPROPER FLUID WILL CAUSE PREMATURE FAILURE OF THE JACK AND THE POTENTIAL FOR SUDDEN OR IMMEDIATE LOSS OF LOAD.

1. With the saddle fully lowered and pump piston fully depressed, set the jack in its upright, level position.
2. Remove the oil filler plug.
3. Fill until oil is level with the filler plug hole, then reinstall the oil filler plug.

**Replacing the hydraulic oil**

For best performance and longest life, replace the complete fluid supply at least once per year.

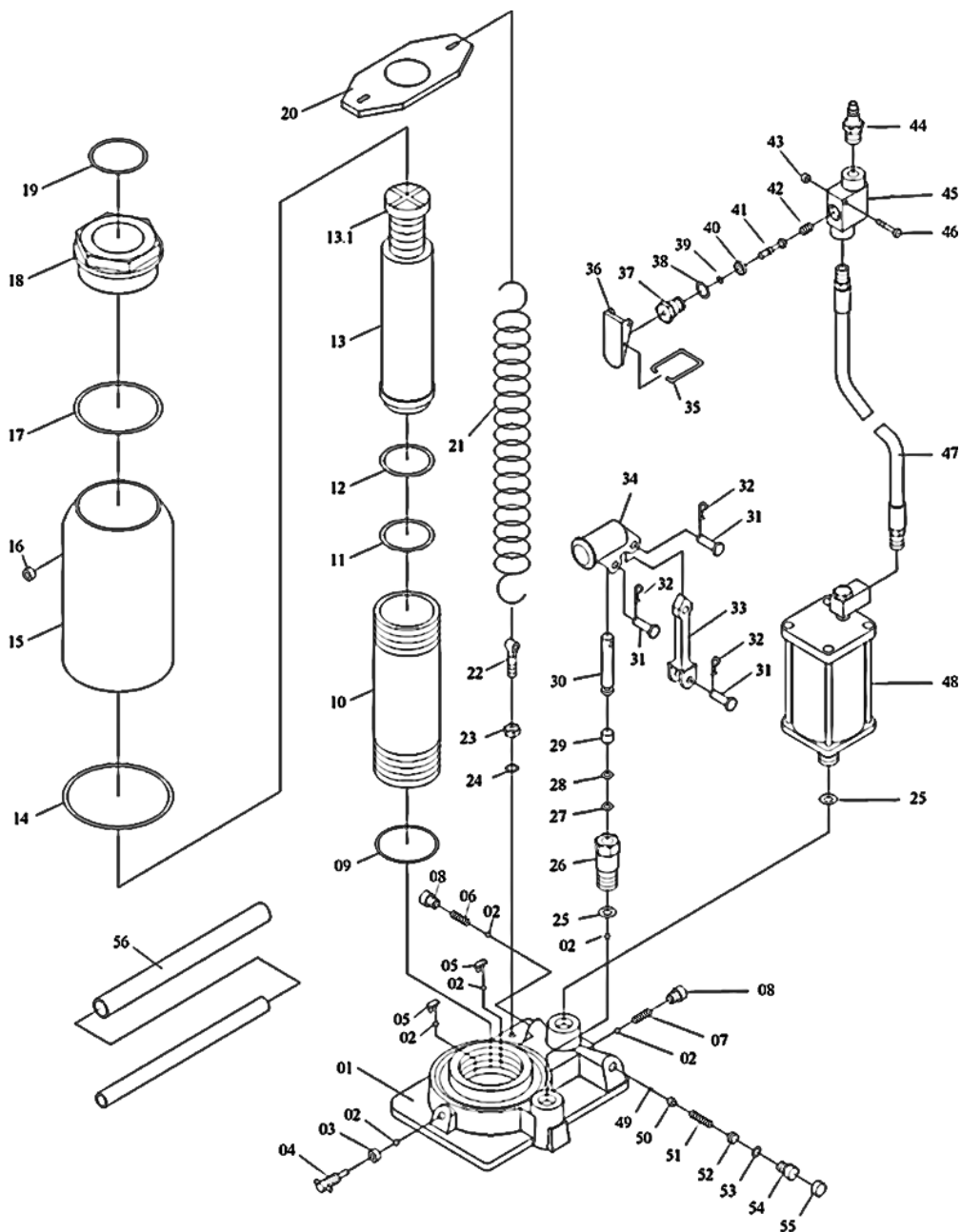
1. With the saddle fully lowered and pump piston fully depressed, remove the oil filler plug.
2. Lay the jack on its side and drain the fluid into a suitable container.
3. Fill the oil case until the oil level is just beneath the lower rim. **KEEP DIRT AND OTHER MATERIAL CLEAR WHEN POURING.**
4. Replace the oil plug.
5. Perform the air bleeding procedure.

Service and repair

Any bottle jack found damaged in any way, found to be worn, or operating abnormally should be removed from service until repaired by an authorised service agent. Owners and/or operators should be aware that repair of this product may require specialised equipment and knowledge. Only authorised parts, labels, and decals shall be used on this equipment. Annual inspection of the bottle jack is recommended and can be performed by an authorised repair facility to ensure that your equipment is in optimum condition and that it has the correct decals and safety labels specified by the manufacturer.

eQuipt

PRODUCT DIAGRAM



PARTS LIST

PART	DESCRIPTION	QTY
1	BASE	1
2	BALL 1/4"	6
3	SEAL	1
4	RELEASE VALVE	1
5	BALL CUP	2
6	SPRING	1
7	SPRING	1
8	SCREW	2
9	NYLON RING	1
10	CYLINDER	1
11	O-RING	1
12	CUP SEAL	1
13	RAM	1
14	PACKING	1
15	RESERVOIR	1
16	FILLER PLUG	1
17	NYLON RING	1
18	TOP NUT	1
19	O-RING	1
20	SPRING PLATE	1
21	SPRING	2
22	EYE BOLT	2
23	NUT	2
24	LOCK WASHER	2
25	WASHER	1
26	PUMP CYLINDER	1
27	O-RING	1
28	NYLON RING	1

PART	DESCRIPTION	QTY
29	BACK-UP RING	1
30	PISTON	1
31	PIN	3
32	R-PIN	3
33	CONNECTOR	1
34	HANDLE BRACKET	1
35	LOCK LEVER	1
36	LEVER	1
37	NUT	1
38	O-RING	1
39	O-RING	1
40	PACKING	1
41	THROTTLE	1
42	SPRING	1
43	NUT	1
44	AIR HOSE CONNECTOR	1
45	VALVE BODY	1
46	SCREW	1
47	AIR HOSE	1
48	AIR MOTOR	1
49	BALL	1
50	BALL CUP	1
51	SPRING	1
52	SCREW	1
53	O-RING	1
54	SCREW	1
55	PLASTIC CAP	1
56	HANDLE	2

TROUBLESHOOT

PROBLEM	SYMPTOM	CAUSE	COLCUSION	SOLUTION
Jack will not lift using manual pump	Manual pump has no resistance, lift ram will not raise	Release valve not tightly closed Load weight exceeds lift capacity Overload actuated Air in hydraulic system	Bypass through release valve Air cavitation in pump and/or lift ram Higher capacity jack required Relief valve needs reset	Bleed system Ensure release valve tightly closed Select higher capacity jack Contact qualified technician for repairs
Jack Will Not Lift using Air pump	Air Pump operating but lift ram will not raise	Release valve not tightly closed Load weight exceeds lift capacity Overload actuated Air Motor effected by water in air supply. Air exhausting but motor not pumping. Air in hydraulic system	Bypass through release valve Air cavitation in pump and/or lift ram Higher capacity jack required Relief valve needs reset Lubrication flushed out of air motor, requires added lubrication. Adding lubrication to air motor fails to remedy issue.	Bleed system Ensure release valve tightly closed Select higher capacity jack Contact qualified technician for repairs Install air /water separator to air supply. Follow Lubrication instructions.
Jack will not hold load	Load cannot be sustained, lift ram drops under load Pump handle rises	Release valve not tightly closed Damaged main seal Main check valve obstructed	Replace main ram seals Replace main check valve ball and reseal valve seat Bypass through release valve	Ensure release valve tightly closed Contact qualified technician for repairs

TROUBLESHOOT

PROBLEM	SYMPTOM	CAUSE	COLCUSION	SOLUTION
Jack will not lower after unloading	Ram rises after retracting Release valve pin seized	Linkages binding Reservoir overfilled	Pump failure due to cavitation caused by excess reservoir level Dry release valve pin	Lubricate release valve with 32grade hydraulic oil Drain fluid to proper level
Poor lift performance	Pump has no resistance, lift ram will not raise to full stroke	Fluid level low Air trapped in system	Fill fluid to correct level Lift ram raised for extended period causing air ingress to hydraulic system	Fill fluid to correct fluid level and bleed system With ram fully retracted, remove oil filler plug to let pressurised air escape reinstall oil filler plug then bleed system
Will not lift to full extension	Lift ram has limited stroke, pump loses resistance	Fluid level low	Lift ram raised for extended period causing air ingress to hydraulic system	Fill fluid to correct level then bleed system

WARRANTY**eQuipt Product Warranty Information**

All eQuipt products undergo thorough testing and quality assurance procedures prior to dispatch to ensure they are free from defects in materials and craftsmanship. A warranty is provided for a period of twelve months from the date of purchase. This warranty shall be void if the product is leased or hired out to third parties.

Warranty Claim Process

Should you experience any issues with your equipment, please return the complete product to your nearest authorized warranty repair agent or contact the TQB Brands Pty Ltd Warranty team at warranty@tqbbrands.com.au.

- If an inspection determines that the fault is due to defective materials or workmanship, repairs will be conducted at no cost to you.
- This warranty does not cover normal wear and tear or damages resulting from misuse, careless handling, unsafe practices, alterations, accidents, or repairs attempted by anyone other than an authorized TQB Brands Pty Ltd repair agent.

Important Notes

- This warranty supersedes any other expressed or implied guarantees, and modifications to its terms are not permitted.

Your TQB Brands Pty Ltd warranty is valid only if you can provide a dated receipt or invoice as proof of purchase within the 12-month period.

Consumer Guarantee Our goods come with a guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.





**SCAN QR CODE
FOR CRITICAL
MAINTENANCE
INSTRUCTIONS TO
MAINTAIN
WARRANTY**

DISCONNECT AIR LINE PRIOR TO ANY MAINTENANCE



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